

XP-002116527

I/1 - (C) WPI / DERWENT
AN - 1982-00966J §25!
AP - JP19810050297 19810403
PR - JP19810050297 19810403
TI - Acid-treated clay compsn. useful as textile softener -
obtd. by treating clay of montmorillonite gp. with
hydrochloric acid in half wet state and mixing with
citric acid
IW - ACID TREAT CLAY COMPOSITION USEFUL TEXTILE SOFTEN
OBTAIN TREAT CLAY MONTMORILLONITE GROUP HYDROCHLORIC
ACID HALF WET STATE MIX CITRIC ACID
PA - (KUNI-N) KUNIMINE KOGYO KK
- (LIOY) LION FAT & OIL CO LTD
PN - JP57167454 A 19821015 DW198247 008pp
- JP63039708B B 19880808 DW198835 000pp
ORD - 1982-10-15
IC - C11D3/12 ; D06M11/06 ; D06M13/20
FS - CPI
DC - A97 E17 F06
AB - J57167454 100 pts. wt. clay composed mainly of clay
mineral (I) belonging to montmorillonite gp. treated
with hydrochloric acid in the half wet state are mixed
with 1-10 pts. wt. citric acid to give an acid-treated
clay compsn. Compsn. is used as softening agent for
clothes.
- (I) are bentonite composed mainly of smectite type
clay, e.g. montmorillonite. These minerals are put in
water to remarkably swell and finally dispersed in
water as fine membrane particle of 1-10 nm in
thickness. Admixing of citric acid is carried out by
dissolving in hydrochloric acid in the half wet state
and then by blowing hydrogen chloride or by spraying
citric acid soln. after treatment with hydrochloric
acid. The softening agent can contain granulating agent
e.g. ethylene glycol, carboxymethyl cellulose, perfume,
anabolism-preventing agent, dyestuff and pigment.